

SECULIFE | **BP_{PRO}** MULTI-PARAMETER SIMULATOR

3-349-869-03
1/10.15

Simulator for testing patient monitors

- Optional peak pressure detect with simple reset
- Synchronized invasive blood pressure output
- +/- 1% of reading pressure accuracy
- ECG output with full NSR waveform
- Digital pressure envelope offset
- With multifunctional connection
- Small, handy, lightweight
- Flash programmable



Despite his small size, this complete Multi-parameter Simulator makes no compromise on providing true outputs. The ability to provide offsets for various NIBP manufacturers is a particular feature of this device. The total pressure is displayed digitally and graphically. In addition, a close-up of the BP waveforms is possible.

Further, you can perform a standard pressure leakage test. The pressure input is connected to the system to be monitored. Thereafter, the system pressure is supplied. The device measures the pressure drop and displays it.

SECULIFE | **BP_{PRO}** has a connection to the SpO₂ simulation, using a 7-pin Mini-DIN cable and external „SECULIFE | **PULS Oximeter Module**“. In this manner you can display oxygen saturation across transcutaneous light sensor by absorption measurement.



Purchase parts

- 1 Operating Instructions
- 1 Transport case
- 1 Battery
- 1 Power support (model U.S.)
- 1 Power support (model EU)

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Technical Data

Device:

Construction	17,8 x 12,7 x 10,2 cm/ABS Plastik
Weight	< 3 Lbs (< 1,36 kg)
Face Plate	Lexan/Back printed
Operating Range	15 to 40 °C
Storage Range	-20 to 65 °C

General	
Display	LCD Graphical 128 x 64 pixel
Backlight	Yes
Lead Test Terminals	No
RS232	Yes
Power	6 x 1,5 V AA
Battery Eliminator	Yes

Functions:

ECG-NSR	Yes
Leads	10
Rates	4
Amplitudes	1
QRS Interval	Adult, Neonatal, Hypertensive, Hypotensive
ST Segment Elevation	No
ECG-Performance	Yes
Sine Waves	3
Square Waves	2
Triangle Waves	1
Pulse Waves	-
Respiration	Yes
Rate	4
Baseline	1
Delta Impedance	1
NIPB	Yes
Rates	80,94 BPM
Pressure Output	±/-500 mm Hg
Special Modes	Yes
SpO2 Simulation	With Seculife OX
Lead Test	Yes
Manometer	Yes

Pacemaker	Yes
Arrhythmias	6
Blood Pressure	1
Temperature	YSI 400/700 0, 24, 30, 37, 40 °C (± 0.1 °C Accuracy)

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Further information:

BLOOD PRESSURE / INVASIVE BLOOD PRESSURE		ECG NSR / EKG PERFORMANCE	
Blood Pressure:		ECG-NSR	
Range	+/- 500 mm Hg 20 °C	Rate	30, 60, 120, 240 BPM (+/- 1% accuracy)
Accuracy	+/- (1% of Reading + 0.5 mm Hg)	Amplitude	2,75 mV (+/- 2% accuracy)
Rate	80, 94 bpm (synched to ECG)		
Impulse accuracy	+/- 1%		
		ECG-Performance	
Invasive Blood Pres.:		Sine Wave	10, 60, 100 Hz
Static pressure	-10, -5, 0, 20, 40, 50, 60, 80, 100, 150, 160, 200, 240, 250, 300, 320, 400 mm Hg	Square Wave	0,125; 2000 Hz
Accuracy	+/- (1% Full Range ± 1mm Hg) or +/- (2% Setting + 2mm Hg)	Triangle Wave	2000 Hz
Impedance	300 Ohm (+/- 10% accuracy)	Rate Accuracy	+/- 1 %
Sensitivity	5 or 40 µV/V/mm Hg	Amplitude	2,75 mV (+/- 2% accuracy)

PACEMAKER WAVEFORMS		RESPIRATION	
Amplitude:	3 mV (+/- 10% accuracy)	Rate accuracy:	+/- 1 %
Width:	6 ms (+/- 5 % accuracy)	Impedance delta:	Delta 3,0 Ohm (+/- 10% accuracy)
		Baseline	1000 Ohm (+/- 5% accuracy)

Ordering information

Description	Type	Order number
Multi-parameter Simulator	SECULIFE BP_{PRO}	M695P

For more information on accessories, see

- www.gossenmetrawatt.com

Edited in Germany • Subject to change without notice • A PDF version is available on the Internet